

# AgriPhage™-Fireblight

BACTERICIDE

For Use on Apples & Pears

**Biological control for fire blight (*Erwinia amylovora*)**

**Active Ingredient:**

Bacteriophage active against *Erwinia amylovora*\* ..... 0.0001%

**Other Ingredients:** ..... 99.9999%

**Total:** ..... 100.0000%

\*Contains a minimum of  $5.0 \times 10^{12}$  plaque-forming units (PFU) per liter of active ingredient

## KEEP OUT OF REACH OF CHILDREN

See attached booklet for additional Precautionary Statements.

### PRECAUTIONARY STATEMENTS

**Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt
- Long pants
- Waterproof gloves
- Shoes plus socks

Mixers/loaders and applicators must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Net Contents: 1 qt, 2.5 gal**

**EPA Reg. No. 67986-8-70051**

**EPA Est. No. 67986-UT-001**

**Manufactured by:**



**OMNILYTICS™**  
THE PHAGE COMPANY

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**Batch Code:**

 **FOR ORGANIC PRODUCTION**

Distributed by:

Certis USA LLC

9145 Guilford Road, Suite 175

Columbia, MD 21046

**CERTIS**

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### User Safety Recommendations

User should:

Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

### Environmental Hazards

For Terrestrial Uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

### Product Information

AGRIPHAGE-FIRE BLIGHT is a bactericide that is comprised of a formulation of bacteriophage to be used as a preventive and curative product for the control of fire blight (caused by the bacterium *Erwinia amylovora*) on apples and pears.

- Apply AGRIPHAGE-FIRE BLIGHT as a preventive to protect growing leaf tissue or when conditions are conducive to heavy disease pressure (all bloom stages), and as a curative when the first disease symptoms are visible.
- Apply AGRIPHAGE-FIRE BLIGHT with conventional equipment as a foliar application.
- See the Mixing Instructions and Compatibility Information and Applications Instructions sections of this label for additional details.

## **Mixing Instructions and Compatibility Information**

### **– MIX WELL PRIOR TO USE –**

#### **ORDER OF MIXING:**

1. Remove scale, pesticide residues, and other foreign matter from the spray tank and entire injector system. Flush with clean water. Failure to provide a clean spray tank may cause AGRIPHAGE-FIRE BLIGHT to lose effectiveness or strength.
2. Fill the spray tank with clean water and begin agitation.
3. Add the specified amount of AGRIPHAGE-FIRE BLIGHT.

Do not allow spray mixture to stand for more than 24 hours. Maintain a spray solution pH between 6.0 and 8.5.

**GROUND TANK MIX INSTRUCTIONS:** Mix 1-2 quarts of AGRIPHAGE-FIRE BLIGHT in 50-100 gallons of water. If mechanical mixing is available when preparing the spray solution, agitation ensures proper blending.

**COMPATIBILITY:** Do not combine AGRIPHAGE-FIRE BLIGHT in the spray tank with denaturing agents, copper, or iron salts. Apply AGRIPHAGE-FIRE BLIGHT in approved tank mixes or in an alternating spray program, applying denaturing agents, copper, or iron salts 4 days after AGRIPHAGE-FIRE BLIGHT application, as denaturing agents, copper, and iron salts compromise bacteriophage survival. AGRIPHAGE-FIRE BLIGHT is compatible with several commonly used fungicides, liquid fertilizers, herbicides, and insecticides, but has not been fully evaluated with all of these. AGRIPHAGE-FIRE BLIGHT cannot be mixed with another product with a prohibition against mixing. Use of the tank mix must be in accordance with the more restrictive label limitations and precautions.

### **Application Instructions**

#### **GROUND APPLICATION**

| RATE   | PRE-HARVEST INTERVAL (PHI)   | APPLICATION NOTES  |
|--|--|--|
| 1 to 2 quarts of AGRIPHAGE-FIRE BLIGHT per 50-100 gallons of water per acre. | AGRIPHAGE-FIRE BLIGHT may be applied up to and including the day of harvest. | Apply as a preventive to protect the growing leaf tissue, as a preventive when conditions are conducive to heavy disease pressure (all bloom stages), and as a curative when the first disease symptoms are visible. Continue throughout the growing season.<br><br>Under severe disease conditions and periods of heavy rain, apply immediately after rainfall, and use the higher application rate of 2 quarts of AGRIPHAGE-FIRE BLIGHT per acre. Repeat application weekly or as needed.<br><br>Use sufficient spray solution to ensure complete coverage. Avoid excessive amounts of spray solution that result in the runoff. |

## **Storage and Disposal**

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store this product under refrigerated conditions (approximately 39.2°F (4°C)) and in a dry area. Direct sunlight and/or extreme heat may cause degradation of the product and decrease product efficacy.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## **Warranty Statement**

OmniLytics, Inc. warrants that this material conforms to the description on this label and is reasonably fit for the purposes referred to in the Directions for Use. To the extent consistent with applicable law, OmniLytics, Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. To the extent consistent with applicable law, in no case or circumstance shall OmniLytics, Inc. or seller be liable for consequential, special or indirect damages resulting from the use or handling of this product including, but not limited to, loss of profits, business reputations, or customers; labor cost; or any other expenses incurred in planting, cultivating or harvesting.



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